Red Zone

Blue Zone

Yellow Zone

E-Meeting Application Server

1) Authenticate Red Zone user with userid and password.

2) Valid Blue Zone user's key.

3) Host E-meetings

E-Meeting Application Administration Server

1) Authenticate Blue Zone user with userid and password and pass Users workstation key to access E-Meeting Server.

UserID and Password

UserID and Password

passes key for access

FIG 1

APPLICATION 28
ON SERVER 20
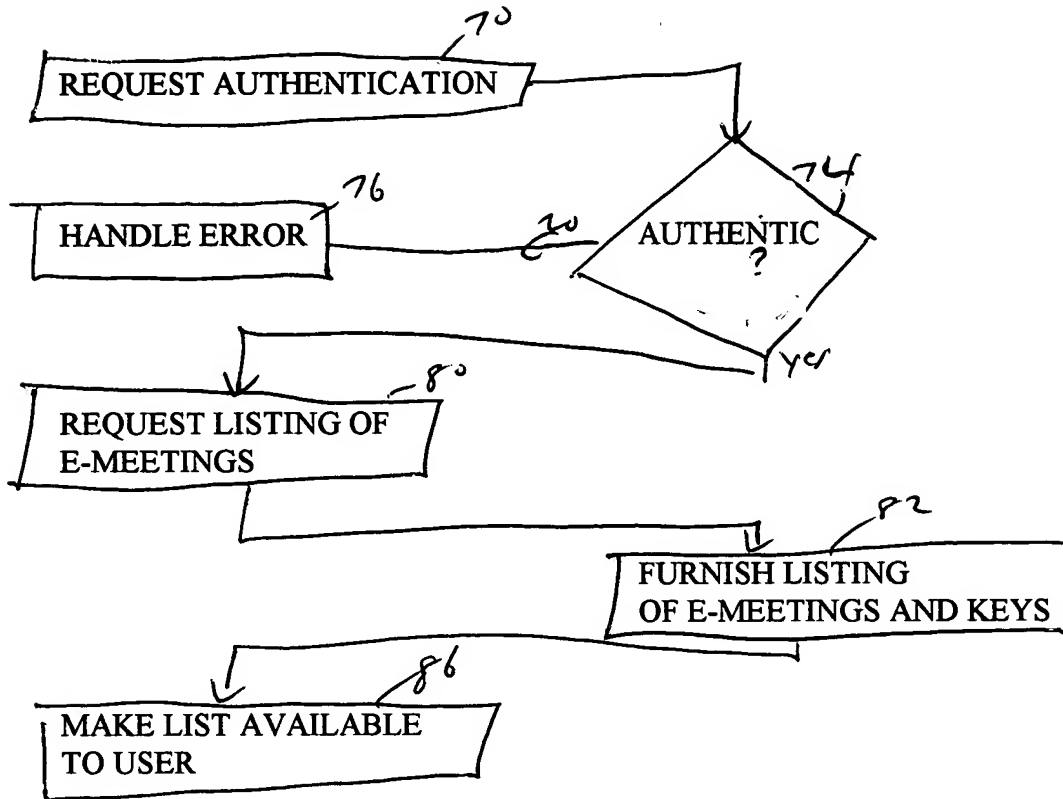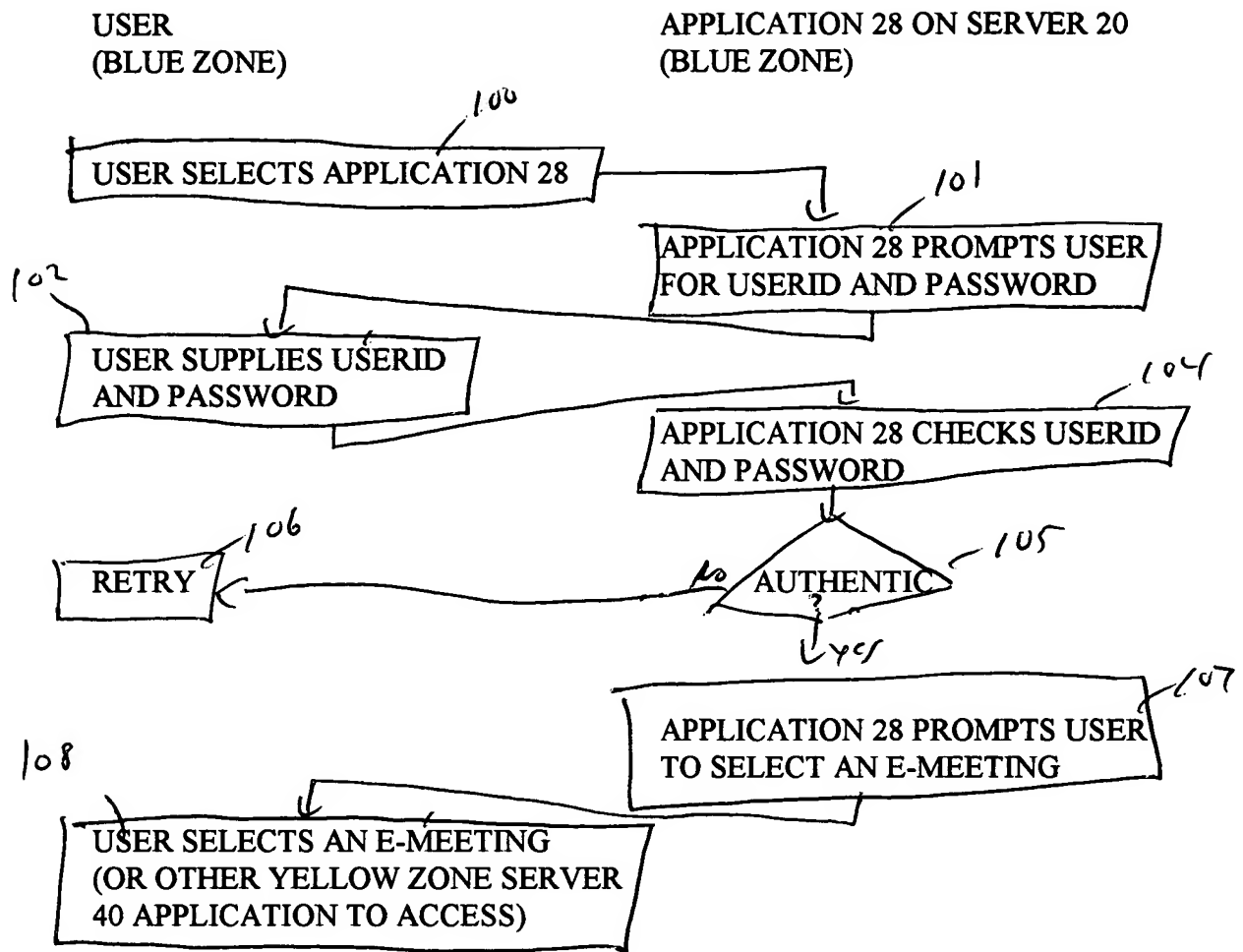(BLUE ZONE)

APPLICATION 30
ON SERVER 40
(Yellow ZONE)

REQUEST AUTHENTICATION   70

AUTHENTIC ? 74

HANDLE ERROR 76

REQUEST LISTING OF
E-MEETINGS 80

Yes

FURNISH LISTING
OF E-MEETINGS AND KEYS 82

MAKE LIST AVAILABLE
TO USER 86

FIGURE 2

USER
(BLUE ZONE)

APPLICATION 28 ON SERVER 20
(BLUE ZONE)

100

USER SELECTS APPLICATION 28

101

APPLICATION 28 PROMPTS USER
FOR USERID AND PASSWORD

102

USER SUPPLIES USERID
AND PASSWORD

104

APPLICATION 28 CHECKS USERID
AND PASSWORD

106

RETRY

105

no AUTHENTIC?

yes

107

APPLICATION 28 PROMPTS USER
TO SELECT AN E-MEETING

108

USER SELECTS AN E-MEETING
(OR OTHER YELLOW ZONE SERVER
40 APPLICATION TO ACCESS)

FIGURE 3(A)

APPLICATION 28 ON SERVER 20
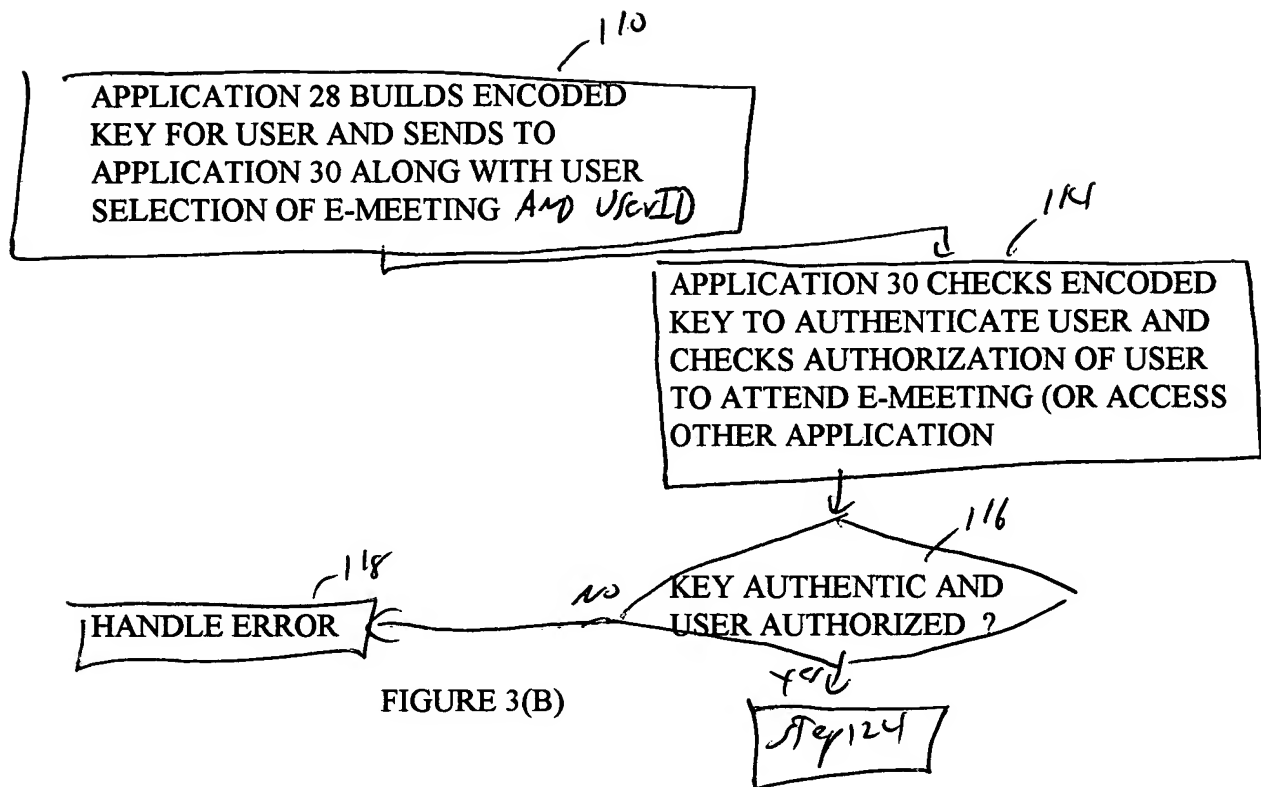(BLUE ZONE)

APPLICATION 30 ON SERVER 40
(YELLOW ZONE)

110

APPLICATION 28 BUILDS ENCODED
KEY FOR USER AND SENDS TO
APPLICATION 30 ALONG WITH USER
SELECTION OF E-MEETING *AND USerID*

114

APPLICATION 30 CHECKS ENCODED
KEY TO AUTHENTICATE USER AND
CHECKS AUTHORIZATION OF USER
TO ATTEND E-MEETING (OR ACCESS
OTHER APPLICATION

116

118

HANDLE ERROR   *NO*   KEY AUTHENTIC AND
USER AUTHORIZED ?

FIGURE 3(B)   *YES*

Step 124

USER 25 ON SERVER 20
(BLUE ZONE)

APPLICATION 30 ON SERVER 40
(YELLOW ZONE)

124

JOIN USER TO E-MEETING
(OR GRANT USER ACCESS TO
OTHER APPLICATION ON
SERVER 40)

126

USER SCHEDULES OR
PARTICIPATES IN E-MEETING
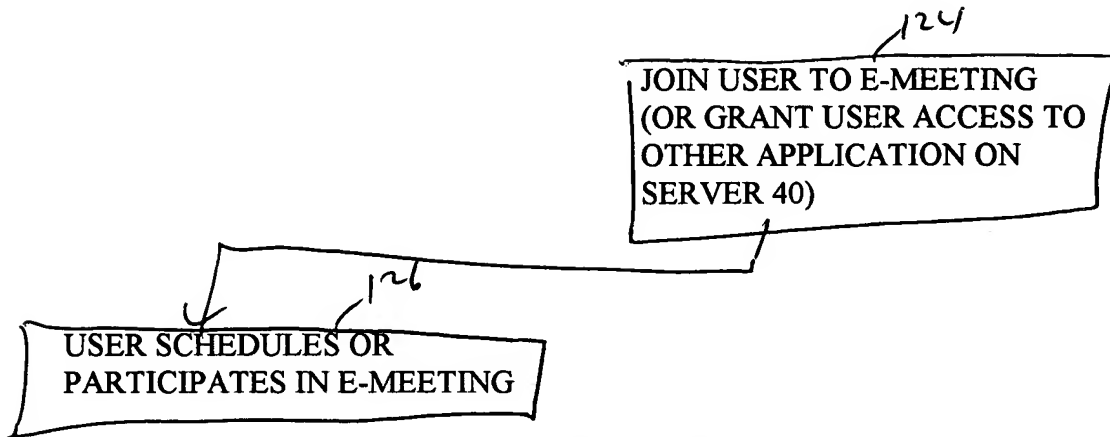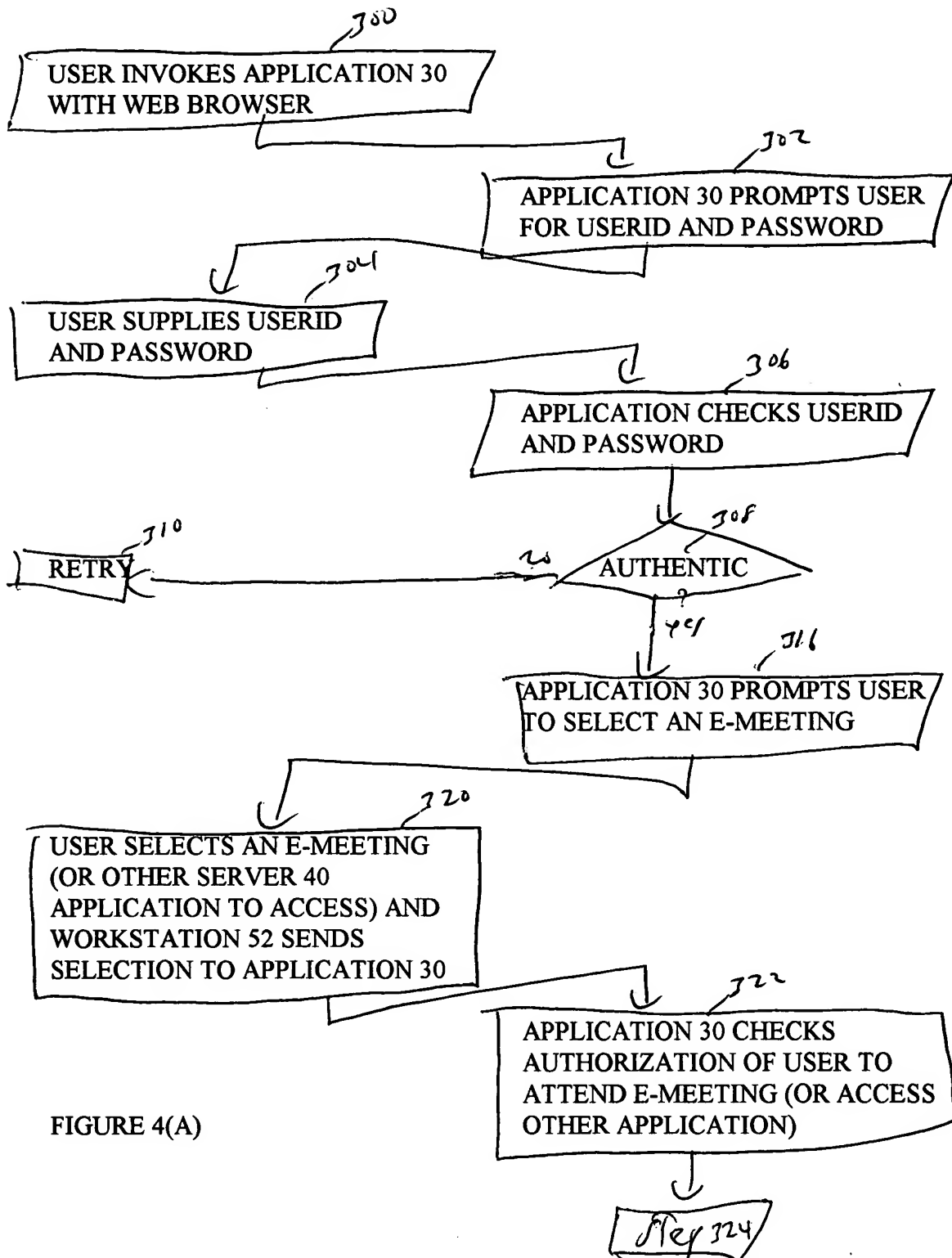
FIGURE 3(C)

WORKSTATION 52
(RED ZONE)

APPLICATION 30 ON SERVER 40
(YELLOW ZONE)

300

USER INVOKES APPLICATION 30
WITH WEB BROWSER

302

APPLICATION 30 PROMPTS USER
FOR USERID AND PASSWORD

304

USER SUPPLIES USERID
AND PASSWORD

306

APPLICATION CHECKS USERID
AND PASSWORD

308

310

RETRY

no

AUTHENTIC
?

yes

316

APPLICATION 30 PROMPTS USER
TO SELECT AN E-MEETING

320

USER SELECTS AN E-MEETING
(OR OTHER SERVER 40
APPLICATION TO ACCESS) AND
WORKSTATION 52 SENDS
SELECTION TO APPLICATION 30

322

APPLICATION 30 CHECKS
AUTHORIZATION OF USER TO
ATTEND E-MEETING (OR ACCESS
OTHER APPLICATION)

FIGURE 4(A)

Step 324

WORKSTATION 52
(RED ZONE)

APPLICATION 30 ON SERVER 40
(YELLOW ZONE)

Step 322

726

HANDLE ERROR ← no — USER AUTHORIZED ? 724

Yes

370

JOIN USER TO E-MEETING
(OR GRANT USER ACCESS TO
OTHER APPLICATION ON
SERVER 40)

340

USER PARTICIPATES
IN E-MEETING

FIGURE 4(B)